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DOC. NO. ER 67-1114		DATE DOCUMENT RECEIVED
DOC. DATE 3/16/67		
COPY NO. 2 ~~Series "C"~~ 4		LOGGED BY
NUMBER OF PAGES 2 (to 4)		
NUMBER OF ATTACHMENTS (one)		

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1 6 MAR 1967

MEMORANDUM FOR: Acting Deputy Director for Science & Technology
Deputy Director for Plans
Director of Planning, Programming, and Budgeting

SUBJECT : BOB Request for Special Studies: RD&E of
Collection Systems.

1. As part of the spring program review requirement*, the
Bureau of the Budget (BOB) has identified several activities for the
Director to address in Agency Program Memoranda. The special
study topics were discussed in the Financial Policy and Budget Committee
meeting on 7 February 1967.

2. In RD&E area, the BOB has requested that the Agency define
the goals of the selected research activities listed below in terms of
(a) an operational system; (b) an expected date of operation; and (c) the
operational importance of the expected system (including discussion of
the degree of uncertainty) and that we estimate the effect on attainment
of these goals of alternate levels of funding (both higher and lower). The
selected systems are as follows:

a.

b.

c.

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In addition, the BOB has asked that we estimate the cost of the operational
(or prototype) system.

3. The Acting DD/S&T is requested to assume responsibility for
these studies. The DD/P and Director/PPB will assign one person to
assist in the conduct of each study. In addition, the DD/I should be called
upon for substantive evaluations concerning the priorities of the intelligence

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*Bureau of the Budget Bulletin 66-3 calls for special studies as part
of the recurring PPB cycle.

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GROUP 1
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targets and requirements against which the systems can be deployed,
special analytical requirements involved in using the product of the
system, etc. The completed study should be submitted no later than
1 August 1967.

4.   Attached are proposed terms of reference for the RD&E
collection systems studies. You should feel free to expand on the questions
where to do so will enhance the final product.
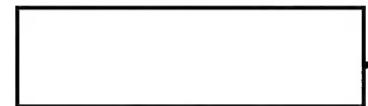
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L. K. White
Executive Director-Comptroller

Attachment
  Terms of Reference

cc: Deputy Director for Intelligence

Terms of Reference
for
Study of RD&E of Selected
Collection Systems

For each of the ☐ collection RD&E studies, the final report
should provide comprehensive descriptive material, including a short
history of the program, and should provide answers, when applicable,
to the following questions:

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1. <u>Objectives</u>

What are the objectives of the program? Have objectives
changed during program development? What explicit operational
requirements are there for the RD&E in this area? Who originated
the requirements? Are they satisfied with program progress?
What are the priorities of the targets? Is the timing of the program
consistent with the time requirement of the intelligence objective?

2. <u>Program Description and Schedule</u>

What are the performance characteristics of the hardware?
What technical problems must be solved? Is there a critical com-
ponent or subsystem? What is the program schedule including
major milestones? When is the estimated operational date? Is
the program phased to provide different levels of operational
capability? If so, show time phasing. Provide the expenditures
to date and an estimate of future costs of the program. Cost data
should be detailed by each phase of the program, subsystem, support,
or other meaningful categories. Do some of the subsystems have
uses in other RD&E programs? How have the various phases of
the program been integrated in the past (e.g., techniques, sub-
systems, contractors, planning)? What is the method to be used
in the future? What countermeasures may be taken against the
collection system being developed?

3. <u>Alternatives</u>

What other collection means are available or are under
development to obtain the intelligence objectives sought? Have
other collection means been rejected? If so, why? Note if there

are parallel back up or redundant programs. Estimate the effect on attainment of these objectives of alternate levels of funding and time phasing.

4.   Operational Planning

What operational planning has been accomplished by the potential user? What are the anticipated funding levels, training requirements, placement issues for the estimated operational program? What are the risks involved in the operational program? Is the program limited by geography? Are there other operational limitations? Are there security problems for the operational program? What types of data will be collected? What processing will be required? Are there any special analytical requirements? What existing collection programs could be replaced by this program when it becomes operational?

5.   Coordination

What coordination was there with the eventual operators? Between research organizations (ORD-TSD-Commo)? With intelligence producers (the consumers of the raw product)? What is the coordinating mechanism?

6.   Program Evaluation

What system or method of program evaluation has been used in the past? What are future evaluation plans? How often is the program evaluated? By whom?

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